

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A method of transferring the contents of an information channel from a source to a destination, the method comprising:
 - a) providing at the source a spectrum having a plurality of channels;
 - b) selecting one of said channels, resulting in a selected channel;
 - c) digitizing the spectrum, resulting in a digitized spectrum;
 - d) from the digitized spectrum, isolating and translating the selected channel to baseband, resulting in a digitized channel;
 - e) framing the digitized channel and associated attribute information, resulting in a framed channel;
 - f) transmitting the framed channel to the destination using packet techniques over a packet network; and
 - g) reconstructing a frequency and bandwidth accurate replica of the selected channel, resulting in a reconstructed replica of the selected channel at the destination.
2. (original) The method of claim 1, further wherein the framed channel is merged with other digital services during transmission over the network.

3. (original) The method of claim 1, further including demodulating the reconstructed replica at the destination.
4. (original) The method of claim 3, wherein the selected channel corresponds to a telephone service.
5. (new) The method of claim 1, wherein the source is a subscriber.
6. (new) The method of claim 1, wherein the destination is a headend.
7. (new) The method of claim 1, wherein the frames are Ethernet frames.
8. (new) The method of claim 7, wherein the frames are Ethernet frames packetized using a Layer 2 protocol.
9. (new) The method of claim 7, wherein the frames are Ethernet frames packetized using a Layer 3 protocol.
10. (new) The method of claim 1, wherein the plurality of channels are DOCSIS channels.

11. (new) The method of claim 1, wherein the associated attribute information includes channel-ID and payload control information.
12. (new) A system for transferring contents of an information channel from a source to a destination, comprising:
- means for receiving a signal spectrum having a plurality of channels;
 - means for selecting one of said channels;
 - means for digitizing the signal spectrum;
 - means for isolating and translating the selected channel to baseband, resulting in a digitized channel;
 - means for framing the digitized channel and associated attribute information; and
 - means for transmitting the framed channel to the destination using packet techniques over a packet network.
13. (new) The system of claim 12, wherein the source is a subscriber and the destination is a headend.
14. (new) The system of claim 12, wherein the frames are Ethernet frames.
15. (new) The system of claim 12, further comprising:
- means for reconstructing a frequency and bandwidth accurate replica of the selected channel at the destination.